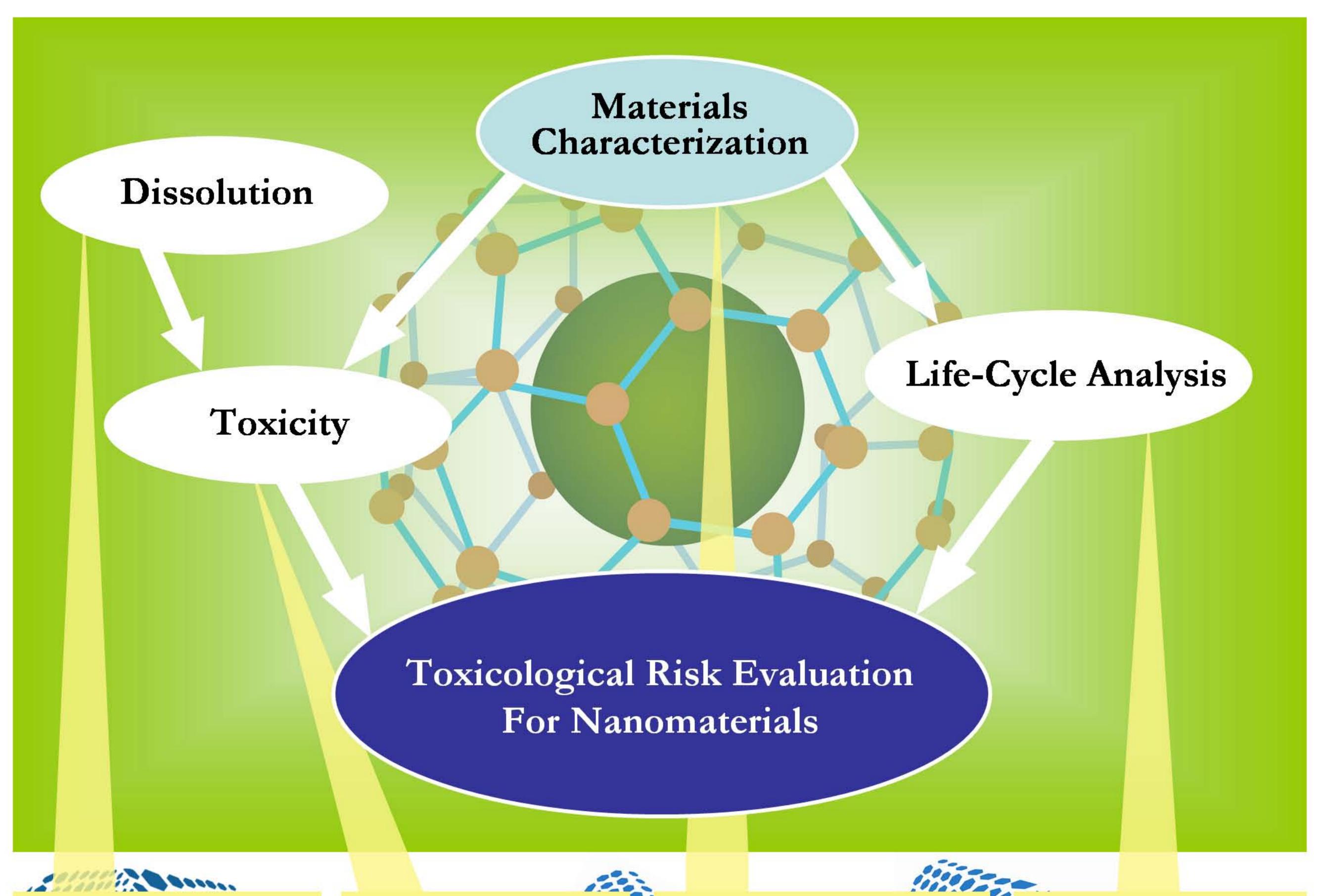
### **HESI Nanomaterial EHS Subcommittee**

**Project Goal**: The mission of the HESI Nanomaterial Safety Subcommittee is to improve the science associated with developing toxicological and safety evaluations for engineered nanomaterials and to improve the fundamental understanding of the behavior of these materials in biological systems and the environment.



#### Dissolution Team

Determine the Role of Dissolution (Aggregation/Disaggregation) and Stability in Biological Fate

#### Toxicity Team

Evaluate Absorption,
Distribution, and
Excretion of
Nanomaterials in
Biological Systems

Characterize Pulmonary Toxicity of Classical Nanomaterials (TiO2 and Chrystalline Silica)

#### Characterization Team

Develop a comprehensive listing of the analytical methods that are currently being used for evaluating nanomaterials, and

Identify analytical methods and assays that are under development for characterizing nanomaterials

# Life-Cycle Analysis (LCA) Team

Development of LCA Framework for Nanomaterials

Apply LCA Framework to Nanomaterial Case Studies





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